EXCHANGE AND GO

Z-E2024M

Car Specific Naviceiver

Compatible with VW Golf VII

Company:

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ZENEC E>GO Z-E2024M – Perfect Integration Into Your VW Golf VII

In 2008, ZENEC brought the first E>GO onto the market, thereby immediately establishing a completely new category of device: the vehicle-specific naviceiver. Today, ZENEC is the market leader in the German speaking area for in-car multimedia navigation devices. And with the new product range there are E>GOs to fit into over 60 models of vehicle.

E>GO – clever design, perfect system solution

The E>GO concept, honored with two innovation prizes, is a system solution without equal for realizing in-car multimedia and navigation in an ingeniously simple way: E>GOs are a perfect fit – visually and technically – in the respective target vehicle. Of particular importance is the perfect integration into the existing vehicle electronics.

E>GO Z-E2024M – custom-fit to your VW Golf VII

The specific construction, the white/red button illumination and the customized styling of the front panel makes ZENEC's top naviceiver blend in perfectly with the VW Golf VII. For the main device, five different panel frames with OE look are available. Golf VII owners will not have to settle for any aesthetic compromises.

The Z-E2024M is also effortlessly integrated into the existing automotive electronics. The E>GO is linked to the steering wheel remote control, on-board computer, Optical Park System (OPS), and the Climatronic control status via the vehicle-specific CAN bus interface.

Total multimedia

Enjoy the whole range of digital entertainment – a USB hub (with iPhone/iPod connection) allows for the playback of all the current media and A/V formats: MP3, WMA, Xvid, and AVI.

The FM RDS tuner offers crystal clear sound quality by DSP post-processing of the audio signal.

The Bluetooth suite of the Z-E2024M comes from Parrot, guarantor for comfortable call handling. The E>GO also supports A2DP AVRCP 1.4 and audio streaming and allows stereo audio playback via Bluetooth. The protocol supports, i.e. the functions play, track skip forward/backward as well as title/artist info.

High performance navigation system

The Z-E2024M combines up-to-date entertainment features with an innovative SD card based multisensor dead reckoning GPS navigation system. Detailed maps of all European countries, realistic display of 3D terrains and 3D landmarks, more than 6.5 million Premium POIs, TMC, integrated trip computer, Auto Zoom, Lane Assistant, Smart Mode – thanks to the latest customized Primo 2.0 nav-software the Z-E2024M impresses with its diversity of functions and with accurate route guidance.

The map data can be updated via SD card at any time – thus the Z-E2024M is an up-to date mutimedia navigation by today's standards, and will stay cutting edge also in the future.

Features

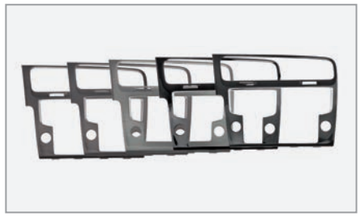
TOUCH PANEL · 7"/17.8 cm TFT LCD PANEL · 24 SELECTABLE HMI LANGUAGES · FM TUNER WITH DSP · XVID Mobile · USB 2.0 HUB · GRACENOTE PLAYLIST PLUS™ · PARROT BT WITH SEARCH FUNCTION · A2DP +AVRCP 1.4 · Made for iPod iPhone

24 bit D/A CONVERTER · DSP HPF/LPF CROSSOVER · 4.2 CH 4V LINE-OUT · DAY/NIGHT MODE HMI · DVB-T Ready · DAB+ Ready · REAR VIEW CAM INPUT · SECURITY CODE · FULL-EU MAP BUNDLE · MULTISENSOR DEAD RECKONING

NAV SPLIT SCREEN · BUILT-IN TMC · 8GB NAV · STALK/CAN INTERFACE INCLUDED · ON BOARD COMPUTER INTEGRATION · PARKING RADAR INTEGRATION · A/C INFO · OE KEY ILLU RED + WHITE

POWERED BY gracenote

E>GO EXCHANGE AND GO

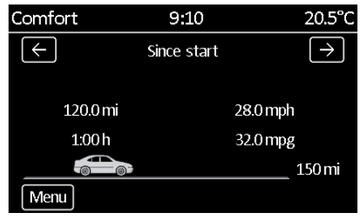


Panel frames with OE look

For the Z-E2024M, five different panel frames with OE look are available. The metal texture versions "dark rhodium" or "satinschwarz/new brushed" are availabe as well, Golf VII owners will not have to settle for any aesthetic compromises.

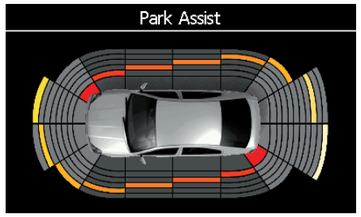
Steering wheel remote control integration

The E>GO is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. The audio and telephony functions of the steering wheel remote control remain intact.



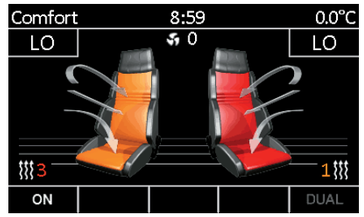
On-board computer integration

The vehicle specific on-board computer integration makes sure that all vehicle adjustment and menu setting options remain fully accessible and functional, independent of vehicle trim lines and other factory installed OE equipment.



Parking sensors

Perfect integration into each target vehicle – data present in the CAN net for factory installed parking radar sensors is read, processed and displayed via the ZENEC OPS (Optical Parking System) on the touchscreen of the E>GO.



A/C control status info integration

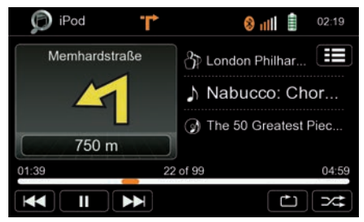
The status data of the Climatronic, if installed in the respective vehicle and present in the CAN net, are displayed as a pop-up info on your E>GO's touchscreen display during adjustment of any A/C related function.

Up-to-date navigation

The multisensor dead reckoning GPS navigation system ensures pin-point accuracy of route guidance everywhere and anytime. The full EU navigation package on 8 GB SD card deploys a customized 2.0 Primo navigation engine and contains 6.5 million Premium POI as well as other useful add-ons.

FM Tuner with DSP

The analog radio receiver front-end of ZENEC's E>GO naviceiver features a DSP software algorithm to provide noise masking for low level FM station broadcast signals and radio playback of improved clarity.

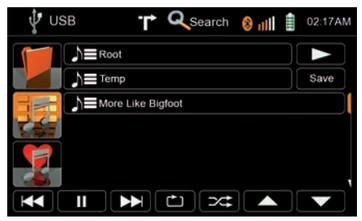


Nav splitscreen

Always keep track: The E>GO naviceiver allows navigation splitscreen mode on the TFT LCD screen for various audio sources, including the Bluetooth hands-free source mode.

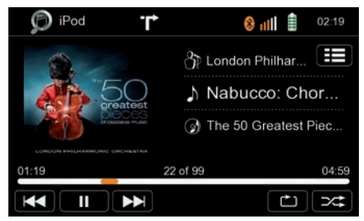
Day/night mode HMI

The E>GO offers a day/night mode HMI. Switching modes can be adjusted for in the System Settings. This provides maximum contrast of the display for daylight conditions and does reduce glare at night.



Gracenote Playlist Plus

The Gracenote "More Like This" feature stands for the "one-click" generation of style and genre based playlists for USB data carriers by simple selection of one song/track.

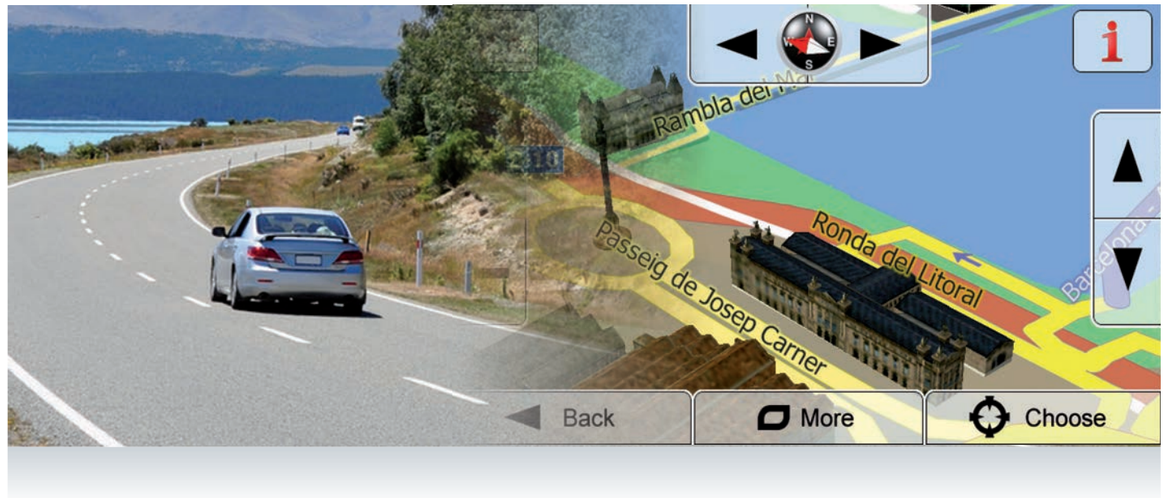


Simple connection of iPod/iPhone

Connect your iPod or iPhone to the E>GO device via the USB hub. The display of Apple Album Art is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.

Easy parking and maneuvering

You can also easily connect a rear-view camera to the E>GO and conveniently control it via the touchscreen. The extensive ZENEC range of accessories offers you a large selection of different models like car specific cameras for your car.



Your Perfect Navigator

The Z-E2024M combines up-to-date entertainment features with an innovative SD card based multisensor dead reckoning GPS navigation system. This ensures pin-point accuracy of route guidance everywhere and anytime.

ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The "Quick Menu" provides straight access to all sat nav functions. Fastest, easiest and shortest route calculation modes provide the user with a choice to suit personal driving habits.

The Z-E2024M naviceiver allows navigation splitscreen mode on the TFT LCD screen for all audio sources, including the Bluetooth hands-free source mode: For best overview, a turnkey arrow screen insertion can be displayed during active route guidance.

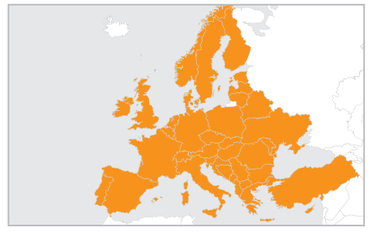
With the "Parking Around" function appropriate parking spots near you will start to show up, once you approach your final destination.

Features like the Real Junction View function, the Lane Assistant or the Auto Zoom at crossings and junctions facilitate orientation in more complex traffic situations. Part of the extensive feature set is the display of traffic information/guidelines when entering an EU country and the visual and audible warning to indicate speed limits on major roads.

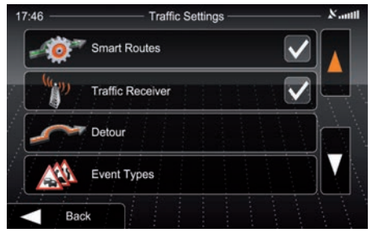
The TMC function keeps you up to date regarding potential traffic jams on the chosen route, while automatic re-calculation of a suitable detour is a function covered as well.

A congested intersection or a traffic jam, simply reported too late by TMC? The Z-E2024M is well informed, proposing alternative routes in real-time, recommending best route options.

You can update the naviceiver's content package, expand the navi-section with additional maps, POI or download the newest 3D city maps using the www.zenec.naviextras.com portal: anytime, even in the middle of the night or abroad during a journey.



Navigate through Europe the clever way
Detailed maps of all European countries give you perfect orientation throughout Europe. For menu and voice navigation there are 28 different languages to choose from.



TMC
The TMC* function gives you timely information about traffic jams on your route and possible detours.

*Extendable functionality via separate TMC pay service providers (country specific).

Latest Map Guarantee
ZENEC's 30 days Latest Map Guarantee: If updated maps are available within 30 days of your first use of the device on the road, you can download them from www.zenec.naviextras.com for free and install them on your ZENEC device.

High-resolution 3D maps
The high-resolution WVGA display of the E>GO ensures that all maps appear pin-sharp. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable.

Topographic maps
Realistic 3D landscape views lead you through complex terrains. Choose between different designs for day and night. Thanks to GPS time acquisition, the E>GO can also automatically switch between day and night modes.

Real Junction View
Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart-zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.

Nav Day/Night Mode
In navigation mode, the E>GO also features an automatic day/night mode switching, controlled via GPS signal. This provides maximum contrast for daylight conditions and does reduce glare at night.

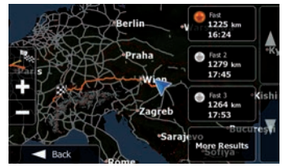
Navigation Features

- SD card based 3D High Definition splitscreen navigation with map data for all European countries (on 8 GB memory card)
- Premium POI bundle with over 6.5 million points-of-interest
- Multi sensor dead reckoning for accurate navigation performance
- TMC receiver for free TMC data services*
- Voice guidance in 28 different languages
- 2D or 3D map view with auto-zoom and realistic display of 3D terrains and 3D landmarks
- Smart-zoom function at intersections and crossings
- Real Junction View and highway mode with Real Signpost rendering
- Tunnel mode
- Smart Route Planning
- Calculation of Real-Time Route Alternatives
- Detour Hint function
- Outlook address import
- "Where-Am-I" function
- Parking Around Algorithm
- Display of traffic information/guidelines when entering an EU country
- Visual and audible warning to indicate speed limits on major roads
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- 30 days Latest Map Guarantee
- Map updates via the online-portal: www.zenec.naviextras.com

*Extendable functionality via separate TMC pay service providers (country specific).

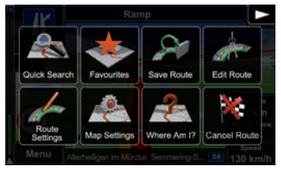
Reach Points Of Interests fast
The E>GO has a Premium POI database with more than 6.5 million entries. Using the well designed search menu makes it easy to select special destinations.

Intelligent destination input
To select a destination, you need to enter only a few letters – the E>GO completes your input and automatically proposes appropriate destinations.



Intelligent route planning
So that you can optimize the route exactly as you want, you have a choice between various route calculation methods: fastest, easiest and shortest.

Practical trip computer
The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.



Where Am I? function
With E>GO you are well prepared for all emergencies: Use the Where Am I? function to find hospitals, police stations, cash machines, filling stations and much more in your vicinity – a finger tap is all it takes.

Informed in timely manner
Included in the function package is the display of advisories when crossing EU borders, together with various warning messages: information on speed limits, legal alcohol limits, requirements to wear a warning waistcoat etc.

Importing your Outlook contacts
Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the E>GO by using the Naviextras Toolbox.

Flexible map updates
Via the online portal www.zenec.naviextras.com, you can update the preinstalled map packages at any time or upgrade it as you wish. Naviextras offers a large selection of maps for more than 75 countries.

Wireless communication via Bluetooth

ZENEC's naviceiver enables comprehensive connectivity and the convenience of operating a Bluetooth-capable mobile phone. The E>GO is equipped with a Bluetooth module from Parrot, the specialist for mobile communications – a hands-free unit, that guarantees you a wide range of functions and maximum compatibility with many mobile phone models.

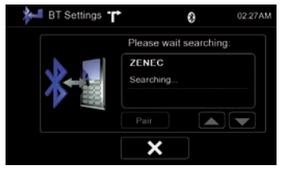
Make calls without noise interference
With ZENEC you can make phone calls in excellent quality – either using the integrated microphone or the freely positionable, external microphone supplied with the E>GO. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently, to offer improved intelligibility.

Easy to operate
ZENEC makes for very easy operation when driving. The caller's number, phone book entries and other information are clearly shown on the naviceiver's display. The address book of the naviceiver is automatically synchronized with the mobile phone as well. You can easily search for phone book entries – simply tap in the initial letters of the contact you want to dial. This search function is really an enormous benefit for professional use. Even special characters are no problem thanks to the multilingual keypad.

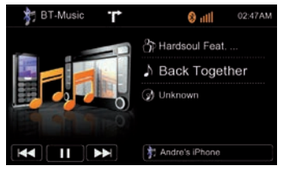
Bluetooth always up to date
The firmware of the Bluetooth component can be conveniently updated using a USB stick, for example if you would like to use a brand new mobile phone model. Thus, the palette of compatible mobile telephones can be expanded, keeping the device future proof.

Bluetooth Features:
• Connection of up to 3 mobile phones • synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact • alphabetical search function for contacts • multilingual input keypad, including special characters and special letters • Quick Dial menu for up to 6 favorite contacts • memory for dialed and received calls • redialing • switch between hands-free and mobile phone • BT-music streaming via A2DP with AVRCP 1.4 • internal and external microphone • future-proof upgradable Bluetooth firmware

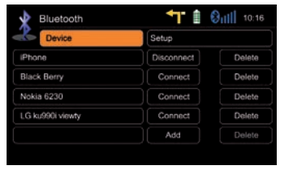
Making calls in the car in comfort
Use the clear Bluetooth menu to comfortably control all telephone functions – a touch is all it takes to transform your car into a telecommunications center.



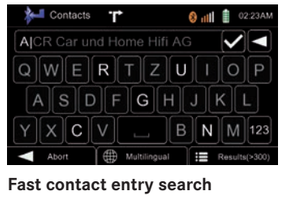
Easy connections
You can connect up to 3 mobile phones to the E>GO, each having 1,000 contacts. The address book of your mobile synchronizes with the E>GO automatically.



Music over your mobile phone
Music stored in your mobile phone can be played back via the E>GO thanks to A2DP and AVRCP 1.4. The playback is comfortably controlled via touchscreen.

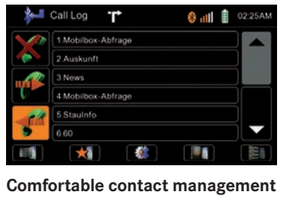


Clear management
With the E>GO you never lose track: at a glance you can see all the connected mobile phones and manage these conveniently via the touchscreen of the naviceiver.



Fast contact entry search
The alphabetic search function makes finding a contact easier: simply tap in the initial letters. You can search using up to 15 initial letters.

Quick-Dial menu
Phone numbers that you use frequently can simply be saved as favorites – so you have fast access to your most important contacts at all times.



Comfortable contact management
You can search for a contact in the phone book or in the favorites list. But you can also display the list of outgoing/incoming or missed calls.

No missed calls
The E>GO Bluetooth system allows broker calls so that you can conveniently switch back and forth between two active telephone calls.

Navigation | RDS Tuner | USB | Camera | iPod/iPhone | Gracenote | Bluetooth | A/V Input | Xvid | Security Code

Navigation navigate by touchscreen fast and comfortably in all European countries (including Eastern Europe)	**RDS Tuner** with DSP noise masking for low level FM station broadcast signals and 30 preset stations (18 FM/12 AM)	**USB 2.0 hub** to provide connectivity for three USB 2.0 memory devices and one interface for iPod/iPhone connection	**Camera** rear-view camera input, manually or automatically activated by putting the car in reverse	**iPod/iPhone** iPod/iPhone direct connection via an optional interface, operation via touchscreen
Gracenote Playlist Plus The "More Like This" feature enables to generate style and genre based playlists in USB playback mode	**Bluetooth/A2DP** integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware	**A/V input** A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc.	**Xvid** Xvid is the container format of choice: Over 90% of present-day AVI files are encoded with Xvid	**Security code** intelligent anti-theft protection based on software monitoring of the power supply

Connection Options: Limitless Connectivity

Due to the USB hub and the various A/V in- and outputs, there is almost nothing that cannot be connected to the E>GO naviceiver. The ZENEC program has a wide palette of multimedia-based additional components that are optimally suited to the E>GO naviceiver. All equipment – external monitors, DVB-T and DAB+ reiceivers or rear-view cameras – can be connected to the naviceiver and operated via touchscreen.

USB 2.0 hub
Especially practical: There is a cable extension that can be plugged in on the E>GO's backside, to connect the USB hub that is contained in the set. The USB hub allows to connect three USB memory devices (up to 32 GB each) and the separately available iPod/iPhone interfaces ZE-NC-IPS or ZE-NC-IPS5.

Connection of iPod/iPhone
iPod and iPhone can be connected to the USB hub with the separately available interfaces ZE-NC-IPS or ZE-NC-IPS5 (for iPhone 5). This connection not only allows for quick access of all files, but also for their control via the naviceiver's touchscreen. Naturally the iPod and iPhone are being charged during playback.

Rear view cameras
The ZENEC produt range includes additional items perfectly matched to each other. For example, various rear view camera models that impress with their universal installation options and outstanding image quality. ZENEC cameras can conveniently be operated via touchscreen and are triggered automatically when reverse gear is engaged.

Main Features Z-E2024M

NAVIGATION
3D High-Definition splitscreen navigation
Multi sensor dead reckoning for accurate navigation performance
SD card based navigation system (on 8 GB memory card)
Premium POI bundle with over 6.5 million points-of-interest
Voice guidance in 28 different languages
Realistic 3D rendering of terrains and landmarks, Tunnel-View, 3D Auto-Zoom for crossings and roundabouts, Real Junction View
Fastest, Shortest and Easiest route planning options, Calculation of Real-Time Route Alternatives, Parking Around Algorithm, Detour Hint functions, etc.
Outlook address import, etc.
TMC receiver for free TMC data services*1
30 Days Latest Map Guarantee

BLUETOOTH
Parrot Bluetooth hands-free module
DSP audio processing for background noise masking
Synchronization of up to 1,000 phonebook entries with 5 numbers per entry
Advanced phonebook contact search function
Selectable internal or external BT microphone

MULTIMEDIA/AUDIO
USB hub allocating three USB 2.0 memory devices (up to 64 GB)
Compatible USB file formats: MP3, WMA, AVI, Xvid
Gracenote "More Like This" for USB audio source and "one-click" generation of playlists by selection of one track
BT-music streaming via A2DP with AVRCP 1.4
DSP crossover with HPF / LPF function
4 x 50 watts amplifier
24 bit D/A converter
Made for iPod and iPhone

GENERAL FEATURES
7"/17.8 cm 16:9 TFT-LCD touchscreen with HMI for 24 different languages
FM RDS tuner with DSP noise masking and 30 preset stations (18 FM/12 AM)*2
1 x IR-remote control

CONNECTIVITY
4.2 RCA preamp line outputs (4 V)
1 x RCA A/V-input (CVBS)
1 x RCA video input for rear view camera (CVBS) with auto-switching function
Connectivity for touchscreen compatible DAB+ or DVB-T devices

VEHICLE INTEGRATION FEATURES
Dynamic and equipment options specific assignment of board computer and vehicle adjustment options
Steering wheel remote control integration via CAN
Optical Park System (OPS) integration via CAN*3
Climatronic control status integration via CAN*3
Selectable key illumination: red/white

Vehicle integration disclaimer:
*1 Extendable functionality via separate TMC pay service providers (country specific).
*2 For vehicles fitted with a phase diversity antenna system, a suitable diversity adapter should be deployed.
*3 Functionality provided only, if required embedded hardware is present and CAN data is available, respectively.

Model	Model Type	Model Year
VW Golf VII*1,2,3,4	AU	as of 2013

*1 Device installation requires purchase of a separate ZENEC Golf VII frame panel, available in different colour and texture versions, matching the interior trim lines of the target vehicles.
*2 he physical dimensions of the factory mounted OE radio have to be identical with the dimensions of the ZENEC device, to allow installation.
*3 The Z-E2024M has been developed to replace the MIB standard systems (Discover Touch and Color). To replace the MIB mid systems (Composition Media and Discover Media) may require additional mounting efforts.
*4 The OE 3.5"/8.9 cm multifunction computer display and the Discover Pro model cannot be replaced by the Z-E2024M.